



Using BLM's GeoCommunicator Map Services in Google™ Earth

The following document describes the process of using Google™ Earth to bring in your saved kml files, GeoCommunicator Rest Services (<http://www.geocommunicator.gov/ArcGIS/rest/services>) or GeoCommunicator (<http://www.geocommunicator.gov>) ArcIMS map services. GeoCommunicator is the Bureau of Land Management's publication system for spatial data, interactive maps, map services, and web services.

You must install the Google™ Earth viewer on your computer before you can view data from GeoCommunicator.

***Important Notice:** Please read the Data Disclaimer at the end of this document.*

1-Open Your Saved KML/KMZ Files in Google™ Earth:

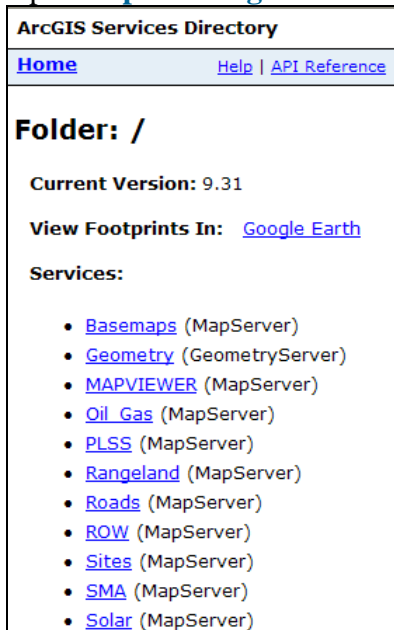
Open Google™ Earth

Select **File > Open** to bring in your local kml or kmz files.

2-Open GeoCommunicator ArcGIS REST Services in Google™ Earth:

Open Google™ Earth

Open <http://www.geocommunicator.gov/ArcGIS/rest/services> in your browser

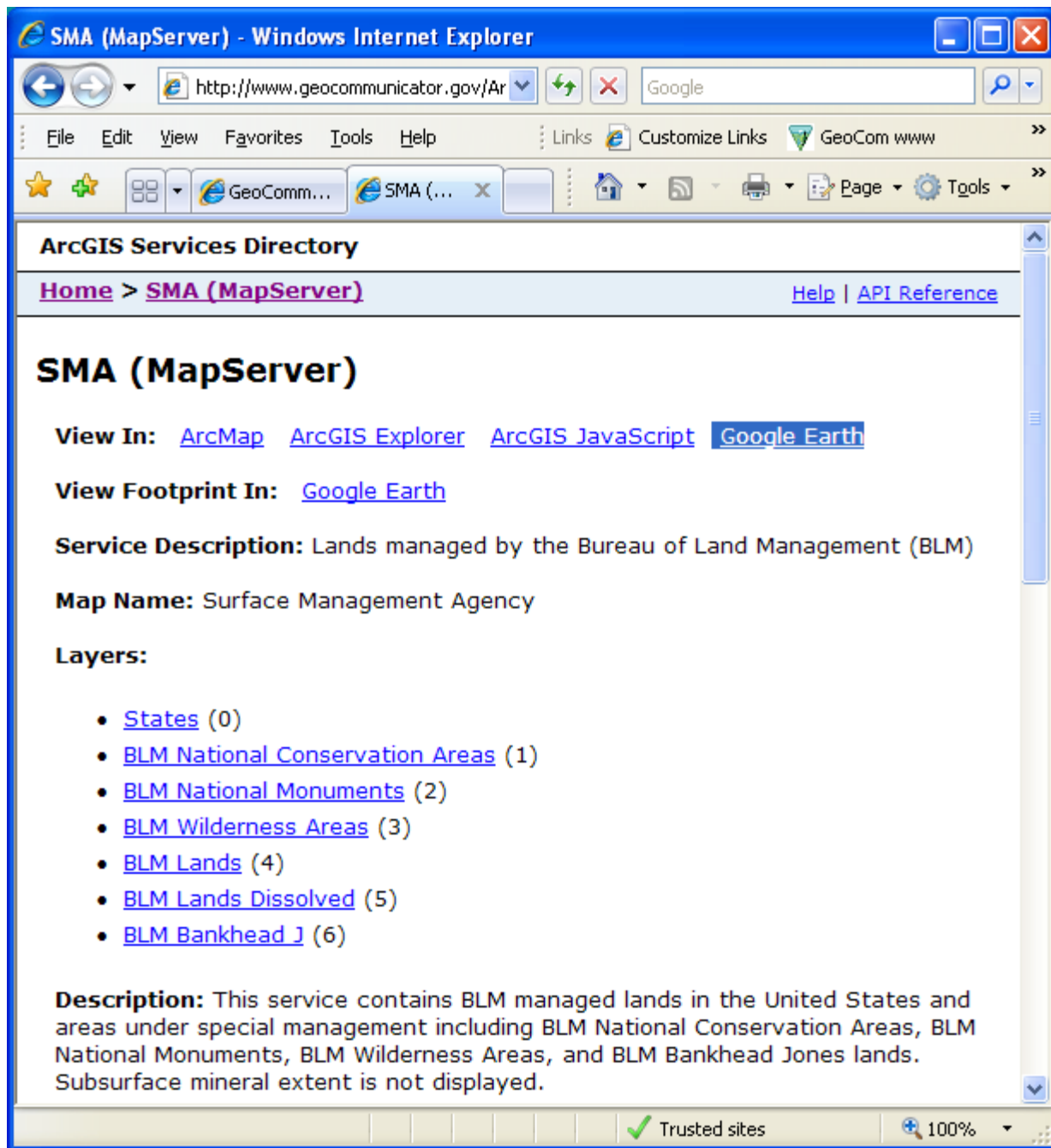


Select SMA or other service from the list.

The ArcGIS Services Directory for the layer will be displayed as shown below.

Under “**View In:**” Select “Google™ Earth”

You will be asked to Save or Open. Select “**Open**”. The layer will open in Google™ Earth.



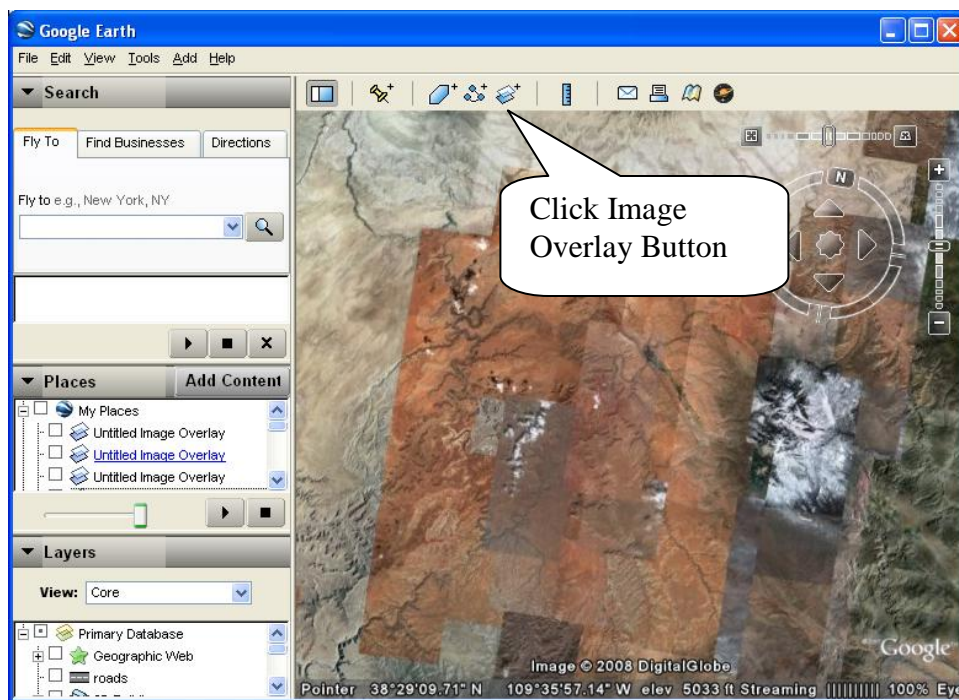
3-Bring GeoCommunicator ArcIMS WMS Services into Google™ Earth:

Step 1:

Open Google™ Earth

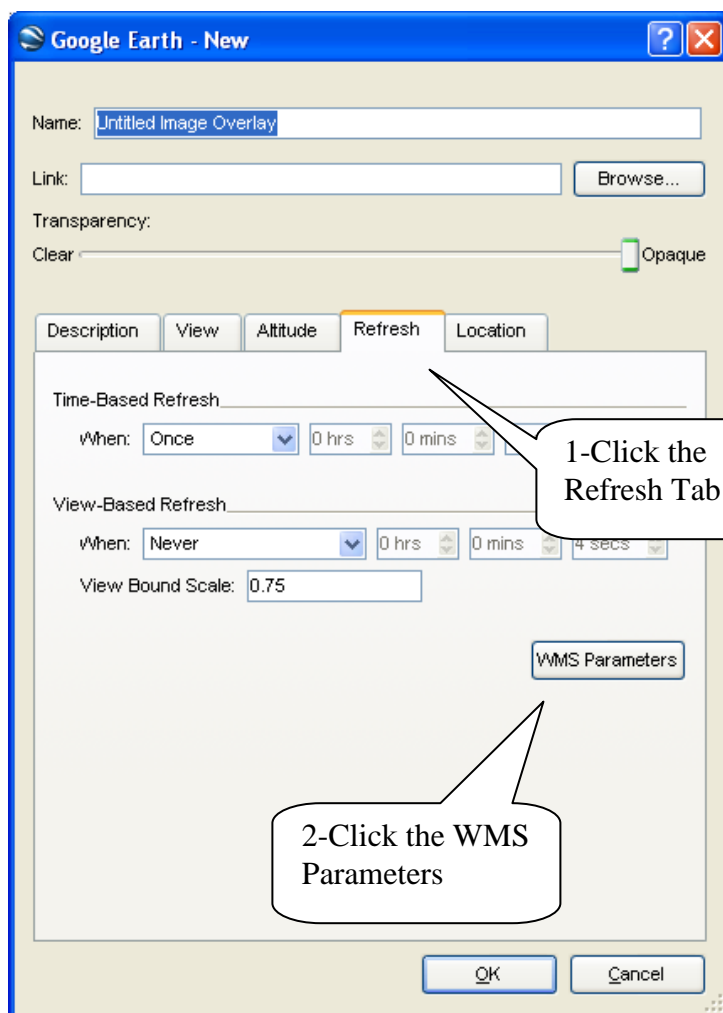
Step 2:

Click “Add” button > **Image Overlay** or select the **Image Overlay Button** as shown below.



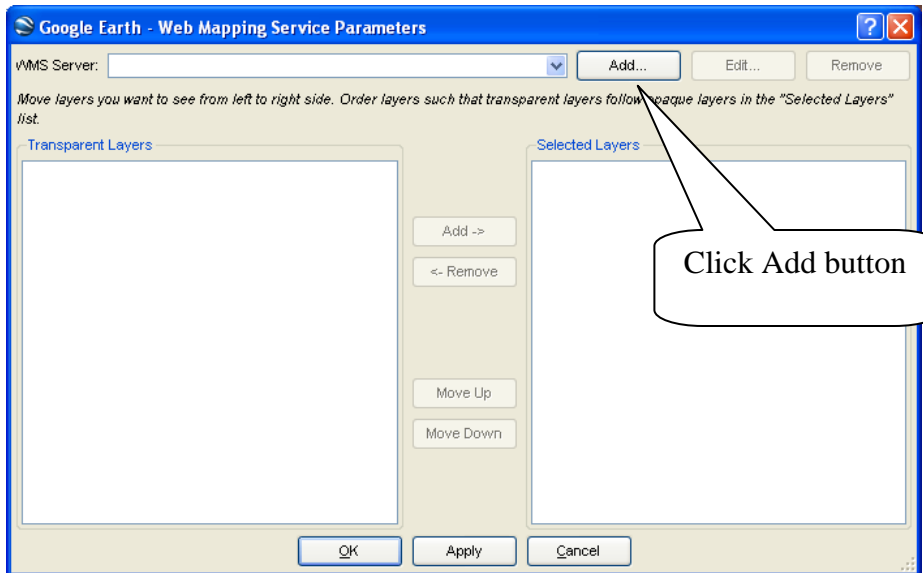
Step 3:

Click on the **Refresh** tab and then on the **WMS Parameters** button



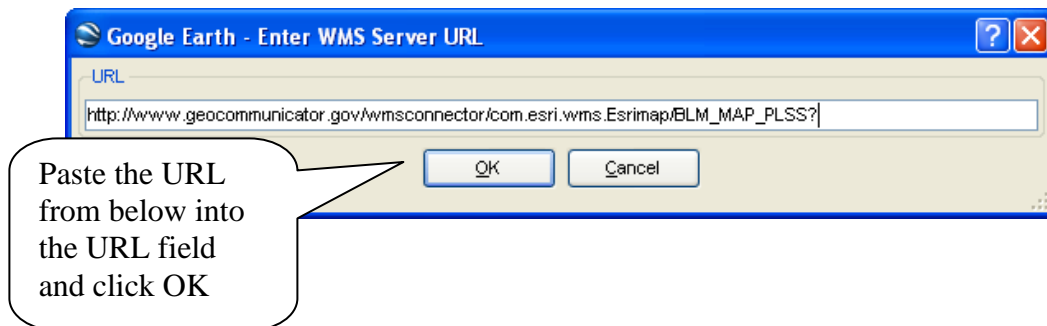
Step 4:

Click the "Add..." button



Step 5:

From the "Enter WMS Server URL", add any of the following URLs:



PLSS Land Descriptions: (PLSS - meridian, township, range, section, aliquot, lots, etc)

http://www.geocommunicator.gov/wmsconnector/com.esri.wms.Esrimap/BLM_MAP_PLSS?

BLM Surface Management Agency Boundaries:

http://www.geocommunicator.gov/wmsconnector/com.esri.wms.Esrimap/BLM_MAP_SURFACE_MGT_AGY?

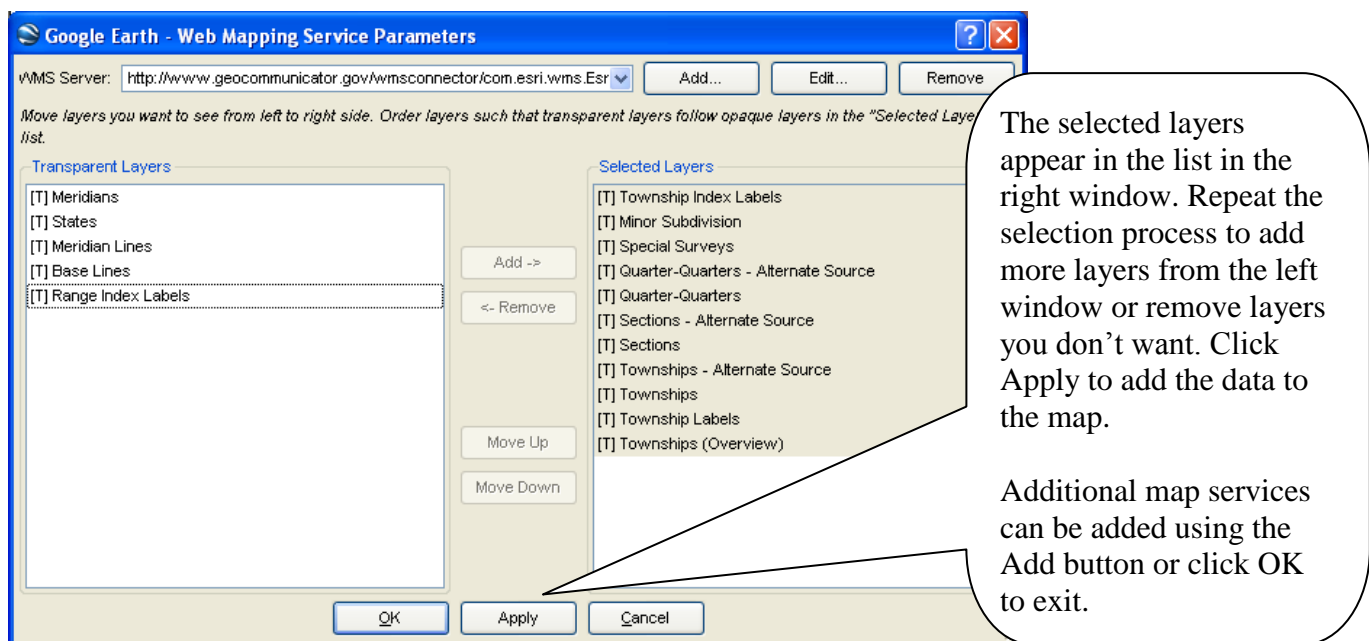
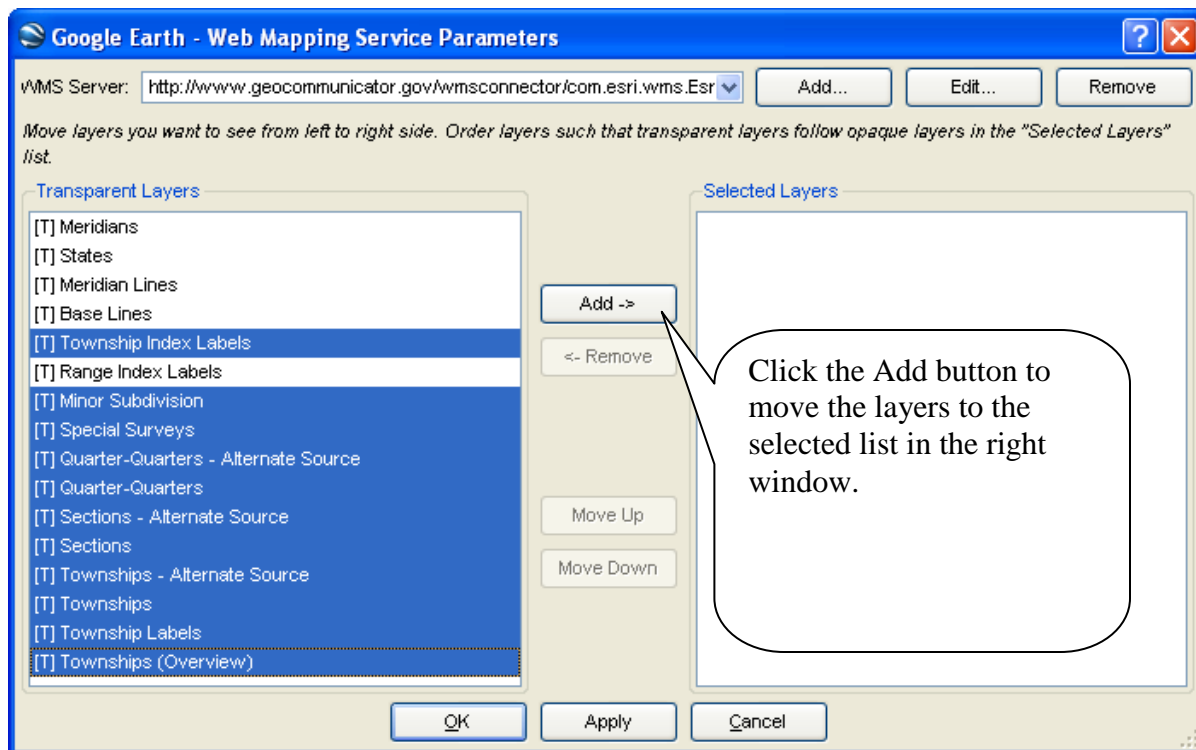
BLM Range Allotment and Wild Horse and Burro Area Boundaries:

http://www.geocommunicator.gov/wmsconnector/com.esri.wms.Esrimap/BLM_MAP_RANGELAND?

Note there are ArcGIS wms services but they will bring in a white background that is not desirable.

Step 6:

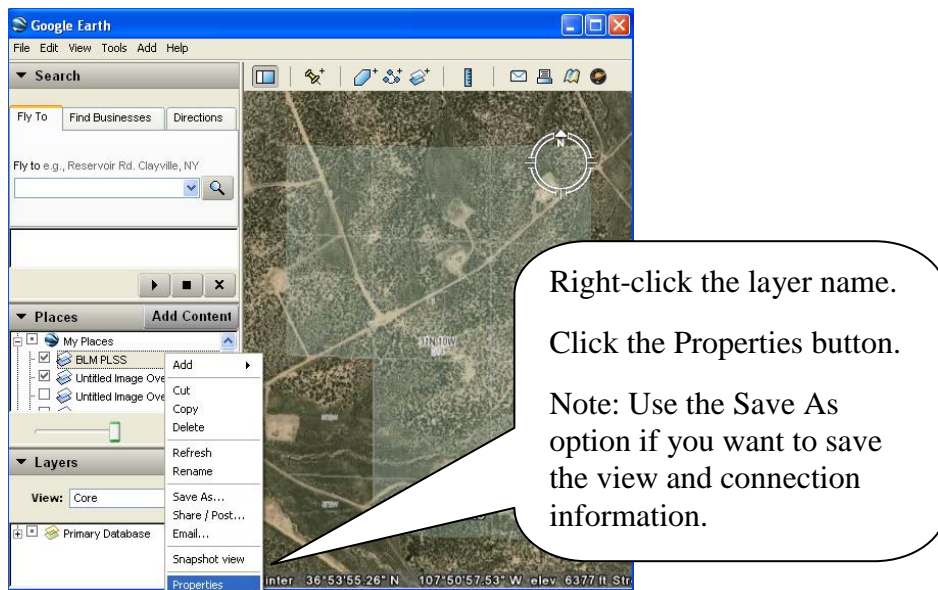
Choose the layers from the service you wish to display and click the **Add ->** arrow button to add them to the display list.



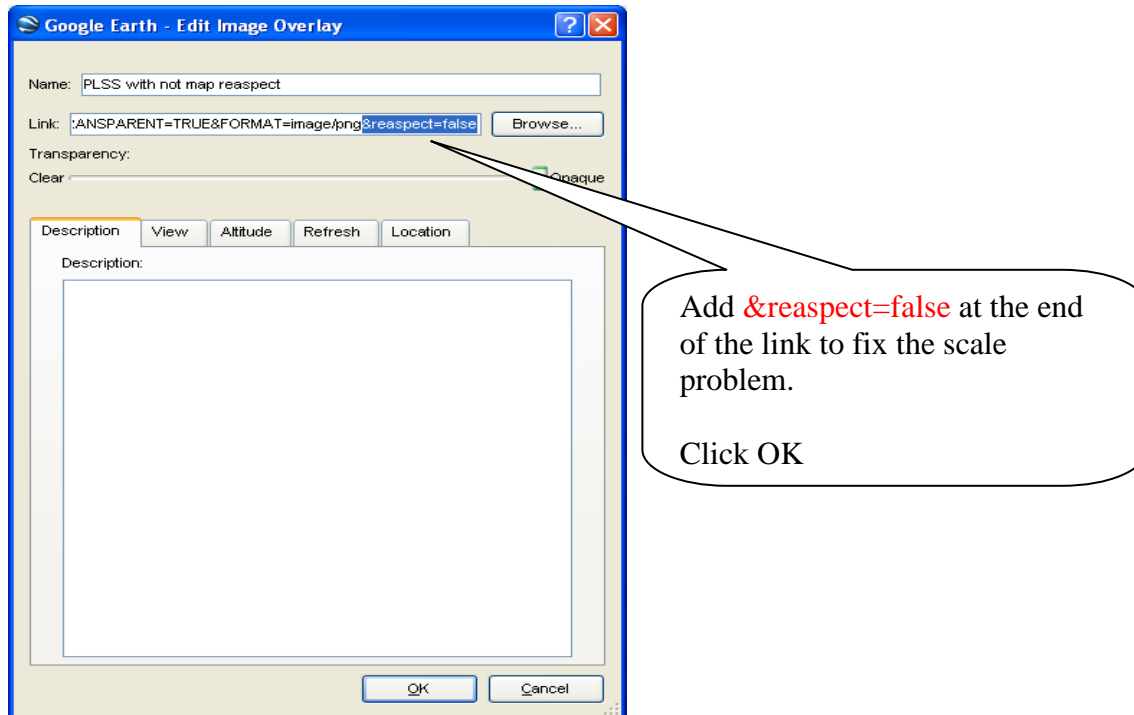
The layers from the BLM's server will load in whenever you zoom or pan. In some cases the scale dependency of the layer will prevent it from displaying.

Step 7:

The data will be skewed, to correct it, right click on the layer name from the map viewer, and click on **Properties**. In the URL link field add "&reaspect=false" to the end of the URL. If you would like to save your customized view, use the 'Save As' button to save it as a kml file with the connection parameters. Next time you want to use the file use the File > Open to bring in the kml file.



Properties window for setting reaspect.



Note: if you get an error look at the layer Properties Window in the Link field: sometimes '**www.geocommunicator.com**' gets replaced with '**cruxmap.esri.com**'. If this happens you will get an error and you will need to replace the 'cruxmap.esri.com' with 'www.geocommunicator.gov'.

Below is a URL with the added text.

http://www.geocommunicator.gov:80/wmsconnector/com.esri.wms.Esrimap/BLM_L SIS_wms?VERSION=1.1.1&REQUEST=GetMap&SRS=EPSG:4326&WIDTH=512&HEIGHT=512&LAYERS=detail_twp,detail_ladesc,detail_first,detail_first_labels&STYLES=default,default,default,default,default&TRANSPARENT=TRUE &FORMAT=image/png&reaspect=false

Data Disclaimer

The data on GeoCommunicator are provided "as is", and the U. S. Bureau of Land Management (BLM) assumes no responsibility for errors or omissions. The User assumes the entire risk associated with its use of these data. The BLM shall not be held liable for any use or misuse of the data described and/or contained herein. The User bears all responsibility in determining whether these data are fit for the User's intended use.

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